MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER, 1931

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

DECEMBER 1931
METEOROLOGICAL REGISTER

Date	Barometer reduced to o°C Sea level and 45° Latitude 700 mm+...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min	8:30	14:30	20:30	Mean
1	63.7	62.5	62.1	62.8	16.6	13.4	16.9	18.9	16.1	17.3
2	1.4	0.6	0.9	0.6	20.2	15.3	17.0	19.9	16.8	17.9
3	2.0	1.8	1.9	1.9	19.9	14.0	16.2	15.4	15.4	15.7
4	1.8	59.2	58.6	59.9	17.3	13.3	15.6	16.9	12.7	15.1
5	56.7	60.5	7.1	8.1	17.2	12.4	15.5	13.7	14.3	14.5
6	59.6	59.5	62.9	60.7	16.1	10.6	15.6	15.4	14.8	15.3
7	67.9	68.5	9.3	8.6	15.1	9.6	13 9	14.1	11.7	13.2
8	9.6	8.2	7.9	8.6	15.3	9.8	13.3	14.9	12.6	13.6
9	6.6	5.6	5.4	5.9	18.1	11.6	13.7	17.7	15.1	15.5
10	6.0	5.1	2.5	4.5	17.5	13.2	16.1	16.9	14.6	15.9
11	63.9	62.6	62.5	63.0	19.9	13.8	16.2	19.3	17.4	17.6
12	3.6	2.5	2.7	2.9	20.3	13.8	18.0	19.0	16.4	17.8
13	2.3	0.5	0.4	1.1	20.6	15.6	17.9	19.8	17.2	18.3
14	58.9	57.1	58.5	58.2	22.3	16.2	18.4	21.5	18.8	19.6
15	7.3	6.9	8.3	7.5	18.9	14.6	15.2	13.7	13.7	14.2
16	60.9	62.0	63.5	62.1	17.1	12.6	14.7	16.9	14.6	15.4
17	4.8	3.2	3.2	3.7	17.6	12.5	15.0	17.4	16.2	16.2
18	3.9	4.0	4.8	4.2	18.3	14.2	15.4	17.8	15.4	16.2
19	6.9	6.9	6.3	6.4	17.8	13.5	15.5	17.4	15.1	16.0
20	6.0	3.8	3.8	4.5	18.1	12.8	15.4	17.8	15.8	16.3
21	65.8	65.0	65.9	65.6	17.3	12.6	15.1	16.8	14.4	15.4
22	6.6	4.9	4.6	5.4	17.8	12.8	15.3	17.8	15.9	16.3
23	5.6	3.9	4.3	4.6	16.7	15.0	15.6	16.2	12.2	14.7
24	7.6	9.5	70.1	9.1	16.6	9.6	9.6	10.1	9.6	9.8
25	70.5	70.3	0.2	70.3	11.8	7.4	9.4	8.7	8.7	9.0
26	70.5	69.8	70.5	70.3	12.8	7.5	11.1	12.6	9.9	11.2
27	0.7	70.2	70.2	70.4	13.9	8.8	11.8	13.4	10.2	11.8
28	0.4	69.8	69.8	70.0	14.6	9.4	12.2	14.2	11.6	12.7
29	68.9	6.6	6.4	67.3	14.8	9.1	12.4	14.3	12.2	13.0
30	5.1	3.6	3.7	4.1	17.1	11.6	13.2	15.6	14.1	14.3
31	5.7	5.6	6.5	5.9	16.9	12.6	14.7	16.7	13.9	15.1
	64.87	64.20	64.35	64.46	17.24	12.23	14.71	16.16	14.11	15·00

Barometer, Range for month 756.7-770.7 m.m.

,, 50-yr. average for month 763.285 m.m.

Thermometer, Range for month 7°.4-22°.2 C.

,, 50-yr. average for month 15.90 C.

Rain, total for month 171.65 m.m.

,, , 50-yr average for month 190.75 m.m.

,, , total Sept. 1st to end of month 246.89 m.m.

,, , 50-yr. average, Sept. 1st to end of month. 385.83 m.m

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8.30	14.30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	12.9	15.7	15.1	8.9	11.2	9.5	9.9	62	70	70	67	9.0	
2	13.9	16.8	14.2	10.0	12.2	10.4	10.9	69	70	73	71	4.0	
3	15.0	14.3	14.7	11.8	11.4	12.0	11.7	87	87	93	89	6.5	31.80
4	13 8	15.2	12.3	10.6	11.7	10.3	10.9	81	81	94	85	1.8	64.03
5	11 2	11.8	10.9	7.7	9.1	8.0	8.3	59	78	66	68	1.9	28.09
6	11.0	11.2	9.3	7.5	7.7	6.3	7.2	57	60	50	56	1.0	2.66
7	9.3	9.2	8.2	6.5	6.4	6.4	6.4	56	54	63	58	9.0	
8	9.4	11.4	9.9	7.0	8.1	7.6	7.6	60	64	71	65	9.0	
9	9.8	13.8	12.1	7.1	9.5	8.8	8.5	61	62	70	64	4.0	
10	12.8	13.9	12.2	9.1	10.1	9.2	9.5	67	71	74	71	9.0	
11	12.7	15.6	12.2	9.0	10.8	7.9	9.2	66	65	54	62	4.0	
12	15.4	16.6	13.7	11.4	12.5	9.1	11.0	74	77	73	75	3.3	
13	14.9	16.6	15.4	10.7	12.0	11.8	11.2	70	70	81	74	1.0	
14	15.6	16.7	16.7	11.4	11.2	12.6	12.1	73	58	78	70	3.4	
15	13.4	12.2	11.9	10.4	9.6	9.3	9.8	81	82	80	81	2.1	1.64
16	13.0	13.4	12.2	10.1	9.4	9.2	9.6	81	66	74	74	5.1	29.01
17	12.7	13.6	13.4	9.6	9.4	9.8	9.6	76	63	72	70	4.5	
18	12.2	14.3	12.7	8.8	10.0	9.4	9.4	67	66	72	68	1.0	
19	12.1	14.4	12.7	8.7	10.2	9.5	9.5	66	70	74	70	8.0	
20	11.2	13.8	11.9	7.7	9.4	8.2	8.4	60	62	62	61	7.8	
21	11.3	12.9	12.0	7.9	8.9	9.0	8.6	62	62	74	66	8.0	
22	11.8	13.7	13.3	8.4	9.3	9.7	9.1	65	61	73	66	8.2	
23	11.8	11.8	10.6	8.3	8.0	8.6	8.3	63	59	82	68	5.4	4.06
24	7.0	6.0	5.5	6.3	5.2	5.0	5.5	71	56	56	61	4.0	4.83
25	6.0	7.3	6.9	5.4	6.8	6.5	6.2	61	81	79	74	0.3	5.53
26	8.0	8.4	6.4	6.4	6.4	5.5	6.1	66	58	62	62	7.5	
27	7.7	9.6	7.7	5.9	7.1	6.5	6.5	58	62	71	64	4.6	
28	8.3	9.7	8.2	6.3	6.8	6.5	6.5	59	57	64	60	8.2	
29	8.2	10.1	8.2	6.1	7.1	6.2	6.5	57	58	59	58	8.3	
30	8.4	11.6	9.4	6.1	8.0	6.6	6.9	54	61	55	57	5.2	
31	10.6	12.8	11.3	7.5	8.8	8.4	8.2	60	62	72	65	7.5	
	11.33	12.72	11.26	8.34	9.17	8.51	8.68	66.0	66.2	70.6	67.7	5.25	5.54

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	0	3ci	3ci	2.0	0	0	0	55.8	calm	
2	10stcu	3ci	4ci	5.7	0	2sw	2sw	593.0	slight	
3	4stcu	10ni	10ni	8.0	0	0	1sw	327.0	„	
4	6stcu	8stcu	10ni	8.0	0	0	2se	442.0	„	
5	10cuci	10stcu	10ni	10.0	4sw	2sw	2sw	634.5	rough	hail in p.m.
6	10ni	10stcu	2cu	7.3	4sw	4n	4nw	416.3	„	gale in p.m.
7	2cu	0	0	0.7	2nw	2ne	0	197.9	stormy	
8	0	2ci	2ci	1.3	0	0	1se	119.4	calm	
9	10stcu	10stcu	10stcu	10 0	0	0	1s	123.8	„	
10	1cu	0	0	0 3	0	0	1s	133 6	„	
11	10stcu	10stcu	8stcu	9.3	0	0	0	40.8	light	
12	8stcu	10stcu	8stcu	8.7	0	0	0	26.2	„	
13	10stcu	10stcu	8stcu	9 3	0	0	1s	100.6	mod.	
14	10stcu	10stcu	10stcu	10.0	0	2w	2s	351.2	„	mist in a.m.
15	10ni	10ni	10ni	10.0	2sw	2sw	2sw	755.1	stormy	
16	8stcu	6stcu	5stcu	6.3	1sw	2w	1w	487.0	„	
17	8stcu	2cicu	3stcu	4.3	0	2w	0	419.9	mod.	
18	8stcu	10stcu	8stcu	8.7	0	0	2s	433.7	slight	
19	1cu	1cu	1cu	1.0	0	0	1s	180.5	calm	
20	6ci	7ci	6ci	6.3	0	1n	0	74.3	„	
21	1ci	1ci	1ci	1.0	0	0	0	87.1	„	
22	1cu	1cu	5cu	2.3	0	0	3s	363.8	slight	
23	6stcu	4stcu	10ni	6.7	0	3w	3sw	714.4	stormy	
24	10ni	8stcu	8stcu	8.7	3ne	2ne	1ne	330.0	v. rough	
25	10stcu	10ni	10ni	10.0	0	1ne	1ne	329.1	light	
26	10stcu	1ci	1ci	4.0	0	1ne	0	171.6	calm	
27	7stcu	6stcu	8stcu	7.0	0	0	1se	305.7	light	
28	3stcu	1cu	2cu	2.0	0	0	1se	224.5	calm	
29	1cu	2ci	2ci	1.7	0	0	0	208.6	„	
30	5st	8stcu	8stcu	7.0	0	0	0	68.1	mod.	
31	0	0	0	0.0	0	1sw	1sw	303.4	slight	
				5.73	0.5	0.9	1.1	290.93		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	1	0	0	0	4	0	1	25
14:30	2	4	0	0	0	4	4	0	17
20.30	0	2	0	4	7	6	1	1	10
Totals	2	7	0	4	7	14	5	2	52

Number of days with rain 9, fog 0, thunderstorms 0, gales 1

50-yr average number of days with rain during month 13.4